

What is claimed is:

1. A method for cultivating filter feeders comprising the steps of:

providing tanks with seawater having microorganisms;

adding essential elements to said seawater;

5 adding a food source to said seawater forming a mixture and aerating said mixture continuously thereby forming a dense bloom of bacterial; and

adding artemia cysts to said mixture.

2. The method according to claim 1 wherein said essential elements are selected

10 from the group consisting of nitrogen, iron and phosphorous.

3. The method according to claim 1 wherein said microorganisms are bacteria selected from the group consisting of *Bacillus megatherium* and *Vibrio alginolyticus*.

15 4. The method according to claim 1 wherein said microorganisms are wild saltwater bacteria.

5. The method according to claim 3 wherein said bacteria are genetically engineered to promote additional nutritional properties.

20 6. The method according to claim 3 wherein said bacteria are clonal bacteria selected from the group consisting of *Bacillus megatherium* and *Vibrio alginolyticus*.

7. The method according to claim 1 wherein said food source is sucrose.

25 8. The method according to claim 1 wherein said food source is selected from the group consisting of molasses, peanut cake, sugar cane syrup and sugar beet syrup.

9. The method according to claim 1 wherein said filter feeders are Artemia.

30 10. The method according to claim 1 wherein said filter feeders are selected from the group consisting of clams and mollusk.

11. The method according to claim 9 further comprising the step of harvesting adult Artemia from said seawater.

12. The method according to claim 1 further comprising the step of disinfecting
5 said seawater.

13. The method according to claim 10 wherein said disinfection step comprises the addition of chlorine to said seawater.

10 14. The method according to claim 12 wherein said disinfection step comprises autoclaving said seawater.

15 15. The method according to claim 12 wherein said disinfection step comprises filtering said seawater.

16. The method according to claim 1 further comprising the step of exchanging said seawater to prevent unwanted organism.

17. A method of preparing food for larvae of fish or crustacean, whereby nauplii
20 released by the development of Artemia cysts or deposited by ovoviparous reproduction are fed to said larvae comprising the production of artemia cysts or Artemia nauplii according to the method of claim 9.

18. The method according to claim 17 wherein said Artemia cysts are fed to said
25 larvae in an admixture of other feedstock.

19. The method according to claim 17 wherein said Artemia cysts are fed to clams, oysters, mullet, milk fish and mollusks.